9/29/04

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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	4	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	5	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	6	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	7	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS	8	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	9	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS	10	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	11	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS	12	SEP 14	STN Patent Forum to be held October 13, 2004, in Iselin, NJ
NEWS	13	SEP 27	STANDARDS will no longer be available on STN
NEWS	14	SEP 27	SWETSCAN will no longer be available on STN

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:29:56 ON 29 SEP 2004

=> file registry

10725181

9/29/04

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:30:04 ON 29 SEP 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 SEP 2004 HIGHEST RN 753424-73-6
DICTIONARY FILE UPDATES: 28 SEP 2004 HIGHEST RN 753424-73-6

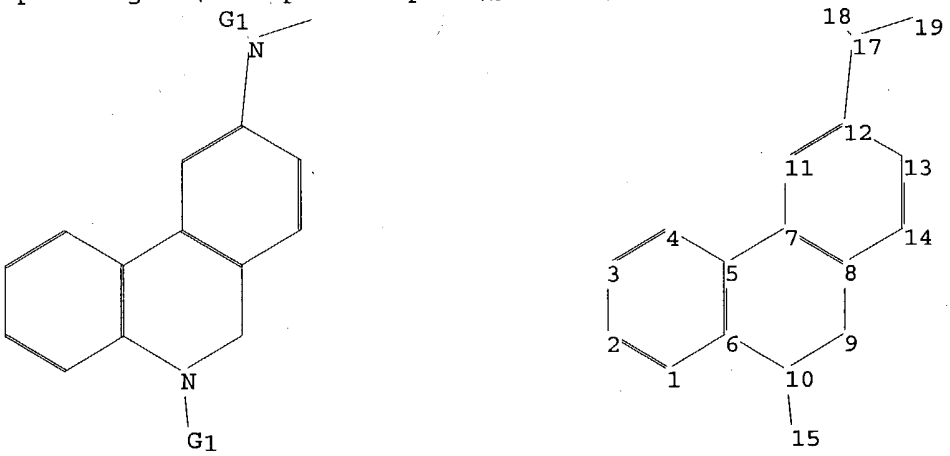
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Stnexp4 corrupted\QUERIES\10690738.str



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15 17 18 19
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
10-15 12-17 17-18 17-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13 13-14
exact/norm bonds :
5-7 6-10 8-9 9-10 10-15 12-17 17-18 17-19
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-14 11-12 12-13 13-14

10725181

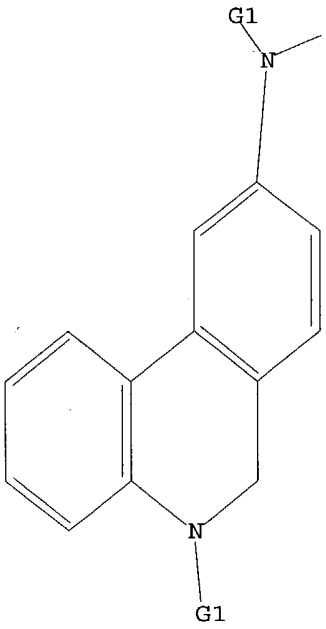
9/29/04

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1
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SAMPLE SCREEN SEARCH COMPLETED - 4570 TO ITERATE

21.9% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 87347 TO 95453
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

10725181

9/29/04

```
=> s l1 ful
FULL SEARCH INITIATED 15:30:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  93224 TO ITERATE

100.0% PROCESSED   93224 ITERATIONS                          29 ANSWERS
SEARCH TIME: 00.00.02

L3            29 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               155.42     155.63

FILE 'CAPLUS' ENTERED AT 15:30:31 ON 29 SEP 2004
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FILE COVERS 1907 - 29 Sep 2004  VOL 141 ISS 14
FILE LAST UPDATED: 28 Sep 2004  (20040928/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s l3
L4            8 L3

=> d abs bib hitstr 1-8
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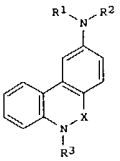
L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
GI



I

AB The title NPY-5 receptor antagonists I [R1 = H, alkyl; R2 = H, C(O)R4, C(O)(CH2)nR5, (CH2)mR6 (wherein R4 = alkyl, haloalkyl; R5, R6 = NH(alkyl), N(alkyl)2, pyridinyl, hydroxyalkyl, Ph, piperidinyl; n = 0-2; m = 0-3); R3 = alkyl; X = carbonyl, methylene], were prepared E.g., a 5-step synthesis of I [R1, R2 = H; R3 = Et; X = C(O)], starting from 2-iodo-4-nitrotoluene, was described. The biol. data (Ki) for representative compds. I were given. Methods and pharmaceutical compns. useful for treating diseases, conditions and/or disorders modulated by the above NPY-5 receptor antagonists I are also provided.

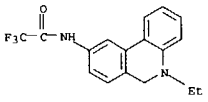
AN 2004:513333 CAPLUS
DN 141:71462
TI Preparation of 9-aminophenanthridin-6-ones as NPY-5 antagonists
IN Hammond, Marlys
PA Pfizer Inc., USA
SO U.S. Pat. Appl. Publ., 24 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2004122038	A1	20040624	US 2003-725181	20031201
WO 2004054981	A1	20040701	WO 2003-IB5839	20031208

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
PRAI US 2002-434374P P 20021218
OS MARPAT 141:71462
IT **596821-91-9P 596821-92-0P 596821-93-1P**
596821-94-2P 596821-95-3P 596821-96-4P
711010-29-6P 711010-30-9P 711010-31-0P
711010-32-1P 711010-33-2P 711010-34-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 9-aminophenanthridin-6-ones as NPY-5 antagonists)
RN 596821-91-9 CAPLUS
CN Acetamide, N-(5-ethyl-5,6-dihydro-9-phenanthridinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



RN 596821-92-0 CAPLUS
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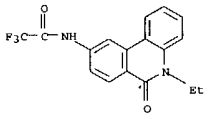
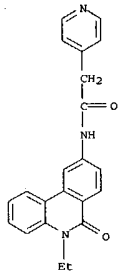
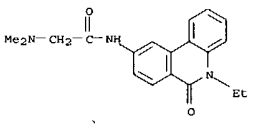


RN 596821-93-1 CAPLUS
CN 4-Pyridineacetamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)

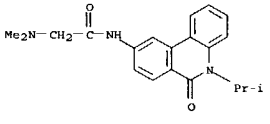
L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 596821-94-2 CAPLUS
CN Acetamide, 2-(dimethylamino)-N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)

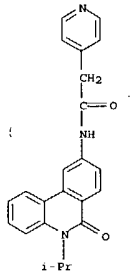


RN 596821-95-3 CAPLUS
CN Acetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)

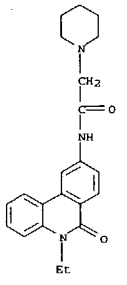


RN 596821-96-4 CAPLUS
CN 4-Pyridineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

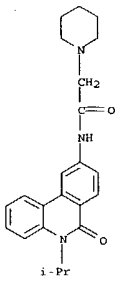


RN 711010-29-6 CAPLUS
CN 1-Piperidineacetamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)

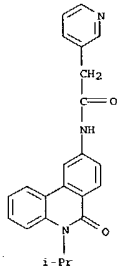


RN 711010-30-9 CAPLUS
CN 1-Piperidineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

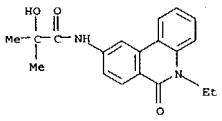


RN 711010-31-0 CAPLUS
CN 3-Pyridineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

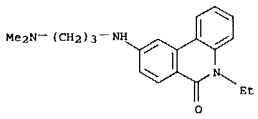


RN 711010-32-1 CAPLUS
CN Propanamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)-2-hydroxy-2-methyl- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 711010-33-2 CAPLUS
CN 6(5H)-Phenanthridinone, 9-[[3-(dimethylamino)propyl]amino]-5-ethyl- (9CI) (CA INDEX NAME)



RN 711010-34-3 CAPLUS
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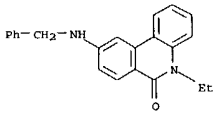


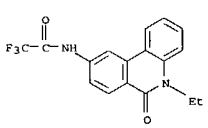
L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

AB Beginning with carbazole, the amide and alkyl substituents were optimized to maintain potency while adding solubilizing groups. Efforts to replace the 3-amino-9-ethylcarbazole core, a known carcinogen, used the structure-activity relationships (SAR) generated in the carbazole series for guidance and led to the synthesis of a number of core-modified analogs.

In addition, an isosteric series, in which the amide was replaced with an imidazole, was prepared Two potent new series lacking the putative toxicophore were identified from these endeavors.

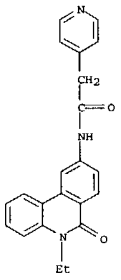
AN 2003:405934 CAPLUS
DN 139:245867
TI Structure-activity relationships in a series of NPY Y5 antagonists: 3-amido-9-ethylcarbazoles, core-modified analogues and amide isosteres
AU Hammond, Marlys; Elliott, Richard L.; Gillaspy, Melissa L.; Hager, David C.; Hank, Richard F.; LaFlamme, Janet A.; Oliver, Robert M.; Da Silva-Jardine, Paul A.; Stevenson, Ralph W.; Mack, Christine M.; Cassella, James V.
CS Department of Cardiovascular and Metabolic Diseases, Pfizer Global Research and Development, Groton, CT, 06340, USA
SO Bioorganic & Medicinal Chemistry Letters (2003), 13(12), 1989-1992 CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science B.V.
DT Journal
LA English
OS CASREACT 139:245867
IT **596821-92-0P 596821-93-1P 596821-94-2P 596821-95-3P 596821-96-4P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(multi-step preparation and structure-activity relationships of amidoethylcarbazoles, core-modified analogs and amide isosteres aa NPY Y5 antagonists)

RN 596821-92-0 CAPLUS
CN Acetamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

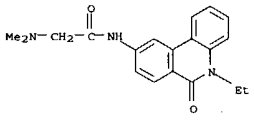


RN 596821-93-1 CAPLUS
CN 4-Pyridineacetamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)

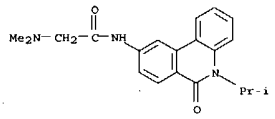
L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 596821-94-2 CAPLUS
CN Acetamide, 2-(dimethylamino)-N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)

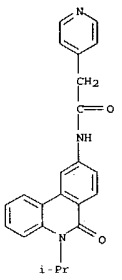


RN 596821-95-3 CAPLUS
CN Acetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)

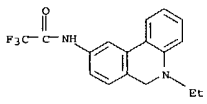


RN 596821-96-4 CAPLUS
CN 4-Pyridineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

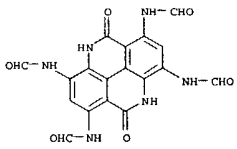


IT **596821-91-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(multi-step preparation and structure-activity relationships of amidoethylcarbazoles, core-modified analogs and amide isosteres as NPY Y5 antagonists)
RN 596821-91-9 CAPLUS
CN Acetamide, N-(5-ethyl-5,6-dihydro-9-phenanthridinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
AB The relationship between mutagenic activity and chemical structure was studied for 54 polycyclic compds. using two approaches: multiple linear regression anal. and artificial neural networks. Structural fragments, quantum chemical indexes, and hydrophobicity (octanol-water partition coefficient)
were used as descriptors (properties of the mols. introduced in the model). Both linear regression equations and nonlinear relationships obtained with the help of a neural network were shown to accurately predict mutagenic activity for the compds. structurally similar to those in the training sample. The introduction of exptl. selected descriptors is substantiated to verify the proposed mechanism of related compds. mutagenic activity.
AN 2003:43297 CAPLUS
DN 139:113007
TI Computer-aided prediction of the mutagenic activity of substituted polycyclic compounds
AU Lyubimova, I. K.; Abilev, S. K.; Gal'berstam, N. M.; Baskin, I. I.; Palyulin, V. A.; Zefirov, N. S.
CS Vavilov Institute of General Genetics, Russian Academy of Sciences, Moscow, 117809, Russia
SO Biology Bulletin (Moscow, Russian Federation (Translation of Izvestiya Rossiiskoi Akademii Nauk, Seriya Biologicheskaya)) (2001), 28(2), 139-145
CODEN: BBULFM
PB MAIK Nauka/Interperiodica Publishing
DT Journal
LA English
IT **171882-45-4**
RL: ADV (Adverse effect, including toxicity); POL (Pollutant); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)
(computer-aided prediction of the mutagenic activity of substituted polycyclic compds.)
RN 171882-45-4 CAPLUS
CN Formamide, N,N',N'',N'''-(4,5,9,10-tetrahydro-5,10-dioxopyrido[2,3,4,5-lmn]phenanthridine-1,3,6,8-tetrayl)tetrakis- (9CI) (CA INDEX NAME)

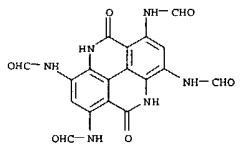


RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

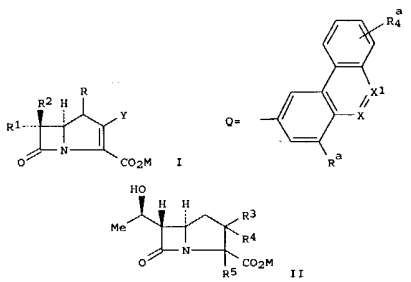
L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The mutagenic activity of the title compds. (I-VI) was evaluated by the Ames test. Also, the mutagenic activities of these compds. was correlated
with descriptors, based on the parameters calculated by Kekule's method. The
utility of the model for predicting the mutagenic activity is discussed.
AN 1995:930780 CAPLUS
DN 124:48052
TI Quantitative relation between the mutagenic activity of heterocyclic analogs of pyrene and phenanthrene and their structure
AU Baskin, I. I.; Lyubimova, I. K.; Abilev, S. K.; Palyulin, V. A.; Zefirov, N. S.
CS Mosk. Gos. Univ., Moscow, Russia
SO Doklady Akademii Nauk (1994), 339(1), 106-8
CODEN: DAKNEQ; ISSN: 0869-5652
PB MAIK Nauka
DT Journal
LA Russian
IT **171882-45-4**
RL: ADV (Adverse effect, including toxicity); PRP (Properties); BIOL (Biological study)
(MSBAR of mutagenicity of pyrene and phenanthrene heterocyclic analogs)
RN 171882-45-4 CAPLUS
CN Formamide, N,N',N'',N'''-(4,5,9,10-tetrahydro-5,10-dioxopyrido[2,3,4,5-lmn]phenanthridine-1,3,6,8-tetrayl)tetrakis- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
GI

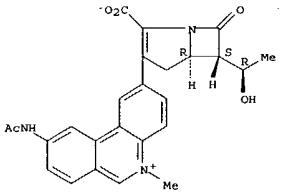


AB Title compds. [I; M = H, alkali metal, neg. charge, etc.; .; R = H, Me; R1,R2 = H, Me, Et, CH2OH, MeCH(OH), etc.; .; Y = phenanthridinyl group Q; 1 of Ra = H and the others = H, CF3, halo, (un)substituted alkoxy; 1 of X,X1 = N+Rdm and the other = CRc; Rc = H, (un)substituted alkyl(oxy), NH2,
etc.; .; Rd = H, NH2, O-, alkyl, etc.; .; m = 0 or 1] were prepared as antibacterial agents (no data). Thus, oxopenamcarboxylate II [M = CH2C6H4(NO2)-4, R3R4 = O, R5 = H] was condensed with Me3SnQ CF3SO3- (Ra = H, X = N+Me, X1 = CH) and the product hydrogenolized to give II (M = neg. charge, R3 = Q, R4R5 = bond, Ra = H, X = N+Me, X1 = CH).
AN 1995:416192 CAPLUS
DN 122:187249
TI Preparation of 2-phenanthridinylcarbapenems as antibacterial agents
IN Dininno, Frank P.; Greenlee, Mark L.; Rano, Thomas A.; Lee, Wendy
PA Merck and Co., Inc., USA
SO PCT Int. Appl., 115 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9417066	A1	19940804	WO 1994-US85	19940103
	W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, LV, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, UZ				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5336674	A	19940809	US 1993-9626	19930127
	CA 2154276	AA	19940804	CA 1994-2154276	19940103
	AU 9459902	A1	19940815	AU 1994-59902	19940103
	EP 682666	A1	19951122	EP 1994-906014	19940103

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE
JP 08505874 T2 19960625 JP 1994-517039 19940103
PRAI US 1993-9626 19930127
WO 1994-US85 19940103
OS MARPAT 122:187249
IT **161546-86-7P 161548-65-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of phenanthridinylcarbapenems as antibacterial agents)
RN 161546-86-7 CAPLUS
CN Phenanthridinium,
9-(acetylamino)-2-[2-carboxy-6-(1-hydroxyethyl)-7-oxo-1-azabicyclo[3.2.0]hept-2-en-3-yl]-5-methyl-, inner salt, [5R-[5α,6α(R*)]]- (9CI) (CA INDEX NAME)

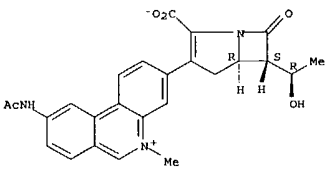
Absolute stereochemistry.



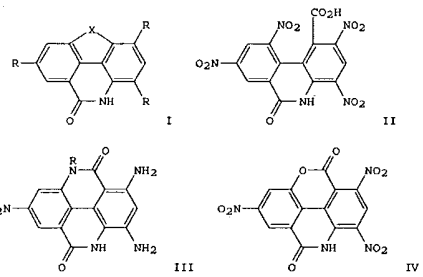
RN 161548-65-8 CAPLUS
CN Phenanthridinium,
9-(acetylamino)-3-[2-carboxy-6-(1-hydroxyethyl)-7-oxo-1-azabicyclo[3.2.0]hept-2-en-3-yl]-5-methyl-, inner salt, [5R-[5α,6α(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

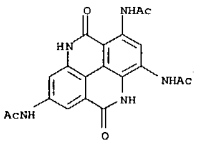


L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
GI



AB Reduction of nitro compds. I (X = CH2, CO, CONH; R = NO2) with Fe gave I (R = NH2). Similar treatment of II gave diazapyrene III (R = H), which was acetylated with Ac2O. II was also treated with SnCl2 to give III (R = OH), which was also acetylated with Ac2O. Cyclocondensation of II in DMF at 150-210° gave oxazapyrene IV, which was reduced with Fe to the triamine.
AN 1981:587120 CAPLUS
DN 95:187120
TI Synthesis of trinitro- and triamino-substituted tetrahydrodiazapyrene phenanthridones and their derivatives
AU Migachev, G. I.; Terent'ev, A. M.
CS Nauchno-Issled. Inst. Plast. Mass, Moscow, USSR
SO Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D. I. Mendeleeva (1981), 26(4), 476-8
CODEN: ZVKOA6; ISSN: 0373-0247
DT Journal
LA Russian
OS CASREACT 95:187120
IT **79683-92-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 79683-92-4 CAPLUS
CN Acetamide, N,N',N''-(4,5,9,10-tetrahydro-5,10-dioxopyrido[2,3,4,5-lmn]phenanthridine-1,3,7-triyl)tris- (9CI) (CA INDEX NAME)

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

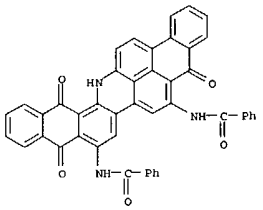


L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
GI For diagram(s), see printed CA Issue.
AB I and II are prepared and used as intermediates in the preparation of sensitizers
for Ag halide emulsions. Thus, a mixture of 40 g. thiophene, 34 ml. 48% HBr, and 50 ml. 37% H2CO is agitated 0.5 hr. at 5-100° to give α-thienylmethyl bromide (III), b4-8 65-90°. A mixture of 4 ml. III and 5 ml. 2,4-dimethylthiazole is kept overnight to give tan, crystalline
I. Similarly prepared is white crystalline II. A mixture of 1.0 g. I, 1.3 g.
2-(β-acetanilidovinyl)-3-ethyl-5,6-dimethylbenzoxazolium iodide, and 20 ml. iso-PrOH is refluxed, 1 ml. Et3N is added, and the mixture is refluxed until complete dissoln. and allowed to cool to room temperature to give
3-ethyl-4',5,6-trimethyl-3-(α-thienylmethyl)oxathiazolocarbocyanine iodide, m. 220-3° (MeOH), λMeOHmax. 524 mμ. Similarly prepared are (m.p. given): 3,3'-bis(α-thienylmethyl)thiacarbocyanine bromide, 220-3° (MeOH); 9-ethyl-3-methyl-3'-(α-thienylmethyl)-4,5-benzothiacarbocyanine iodide, 197-200°; 3,9-diethyl-5-methoxy-3'-(α-thienylmethyl)selenathiacarbocyanine iodide, 195-8°; 5-chloro-3-ethyl-4'-methyl-3'-(α-thienylmethyl)oxathiazolocarbocyanine iodide, 216-18° (MeOH).
AN 1964:455245 CAPLUS
DN 61:55245
OREF 61:9616d-g
TI (α-Thienylmethyl)thiacarbocyanine halide dyes
IN Derbyshire, Henry G.
PA General Aniline & Film Corp.
SO 3 pp.
DT Patent
LA Unavailable

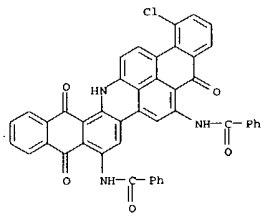
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3136772		19640609	US	19570208

IT **106570-26-7**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido- **106570-53-0**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido-1-chloro-
(preparation of)
RN 106570-26-7 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,9-dibenzamido- (7CI) (CA INDEX NAME)

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 106570-53-0 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,9-dibenzamido-1-chloro- (7CI) (CA INDEX NAME)

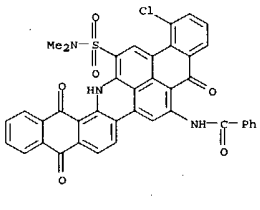


L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
GI For diagram(s), see printed CA Issue.
AB Dyes of the general formula I are prepared and give fast colors on cotton.
Thus, 1,5-dichloroanthraquinone is converted to 4,8-dichlorobenzanthrone [greenish yellow needles m. 176-8° (PhNO2)] which is brominated in PhNO2 to give Bz-1,4-dibromo-8-chlorobenzanthrone (II), yellow needles m. 220-1° and 225-6° (PhNO2), red-violet in H2SO4. Also prepared are (m.p. given): Bz-1-bromo-4,8-dichlorobenzanthrone, 216-17°; Bz-1-bromo 4-(p-toluenesulfonamido)-8-chlorobenzanthrone (III), 248-50° (HCONMe2); Bz-1-bromo-4-amino-8-chlorobenzanthrone (IV), 272-4° (HCONMe2); Bz-1-bromo-4-cyano-8-chlorobenzanthrone (V), 320-2°; Bz-1-bromo-4-carboxy-8-chlorobenzanthrone >300°; Bz-1-bromo-8-chlorobenzanthrone-4-carboxylic acid chloride, --; Bz-1-bromo-4-anilino-8-chlorobenzanthrone (VI), 228-9°; Bz-1-bromo-8-chlorobenzanthronyl-4,1'-anthraquinonylimide (VII), --; Bz-1-bromo-4,3-benzacridone 8-chlorobenzanthrone (VIII), --; Bz-1-bromo-4-benzamido-8-chlorobenzanthrone (IX), 270-1° (PhNO2); Bz-1-bromo-4-(p- chlorophenylsulfonyl)-8-chlorobenzanthrone (X), 311-13° (PhNO2); Bz-1-bromo-4-(p-chlorophenylthio)-8-chlorobenzanthrone (XI), 225-6° (PhNO2). A mixture of 5.7 g. VII, 2.3 g. 1-aminoanthraquinone (XII), 0.2 g. Cu(OAc)2, 5 g. anhydrous K2CO3, and
60 g. PhNO2 is refluxed several hrs. to give a dark red-brown anthrimide. Also prepared are the following anthrimides (reactants given): VI, XII; VI,
1-amino-5-benzamidoanthraquinone (XIII); VIII, XII; VIII, XIII; V, XII; IX, XII; IX, XIII; III, XII; IV, XII; reaction product of IV and 2-phenyl-4-chloro-6,7-phthaloylquinazoline, XII; IX, 1,5-diaminoanthraquinone; XI, XII; II, X. A mixture of 11 g. anthrimide (from 1
mole II and 2 moles XII), 20 g. KOH, and 35 g. HOCH2CH2NH2 is heated for 3
hrs. at 130° poured into ice, and oxidized with air to give I (R = 1-anthraquinonylamino, R1 = R2 = R4 = H, R3 = H or Cl), dark olive, which gives greenish olive shades on cotton from a gray vat and is olive-green in H2SO4. Also prepared are the following I (R2 = R4 = H, R3 = H or Cl) (R,
R1, dye appearance, vat color, shade on cotton, and color of dye in H2SO4 given): PhNH, H, olive-green, olive, olive-green, green; PhNH, BzNH, --, olive-green, yellowish olive-green, green; CONH2, H, --, brown, olive, olive-green; BzNH, H, dark, green, blue-gray, green, green; BzNH, BzNH, olive-green needles, blue, yellow-green, yellowish green; p-MeC6H4SO2NH, H, dark green needles, gray-blue, strong green, green; NH2, H, dark olive-green, --, strong olive-green, olive-green; A, H, dark olive-green, blue, strong yellowish green, green; BzNH, NH2, dark olive-green, blue-gray, strong olive-green, bluish green; BzNH, 1-aminoanthraquinone-2-
carbonylamino, --, olive, black-brown, green; p-ClC6H4S, H, --, reddish blue, olive-green, blue-green; p-ClC6H4SO2, H, --, gray-blue, olive-green,
blue-green; and (same color data given): I (R1 = R2 = H, R = R4 = BzNH, R3
= H or Cl), olive-green needles, --, strong yellow-green, yellowish green;
I (R1 = R4 = H, R3 = H or Cl, R = BzNH, R2 = SO2NMe2), --, reddish blue, strong bluish olive-green, blue-green; and (reactants and same color data given): KOH, KOAc, iso-BuOH, anthrimide (from XII and VIII) and oxidation,
--, olive, olive, --; anthrimide (from XII and VIII) and H2SO4, brown,

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
red-brown, brown, olive-green; SO2, AlCl3, and anthrimide (from VIII and XIII), brown, brown, red-brown, currant.
AN 1964:455244 CAPLUS
DN 61:55244
OREF 61:9615e-h,9616a-d
TI Benzanthraquinoneacridine vat dyes
IN Wunderlich, Klaus; Bien, Hans S.; Baumann, Fritz
PA Farbenfabriken Bayer A.-G.
SO 7 pp.
DT Patent
LA Unavailable

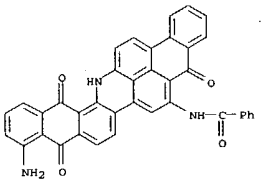
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3134781		19640526	US	
DE 1192349			DE	
GB 994216			GB	
PRAI DE		19600906		

IT **105819-70-3**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-17-sulfonamide, 6-benzamido-1-chloro-5,10,15,16-tetrahydro-N,N-dimethyl-5,10,15,-trioxo- **106042-71-1**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 11-amino-6-benzamido- **106042-75-5**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6-benzamido- **106042-80-2**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6-benzamido-1-chloro- **106546-23-0**, 2-Anthramide, 1-amino-N-(6-benzamido-5,10,15,16-tetrahydro-5,10,15-trioxoanthra[2,1,9-mna]naphth[2,3-h]acridin-11-yl)-9,10-dihydro-9,10-dioxo- **106570-26-7**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido- **106570-27-8**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,11-dibenzamido- **106570-53-0**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido-1-chloro- **106570-54-1**, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,11-dibenzamido-1-chloro-
(preparation of)
RN 105819-70-3 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-17-sulfonamide, 6-benzamido-1-chloro-5,10,15,16-tetrahydro-N,N-dimethyl-5,10,15-trioxo-(7CI) (CA INDEX NAME)

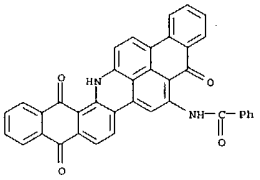


RN 106042-71-1 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 11-amino-6-benzamido- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

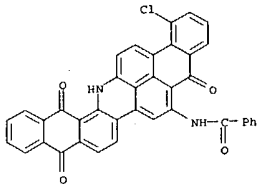


RN 106042-75-5 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6-benzamido-(7CI) (CA INDEX NAME)

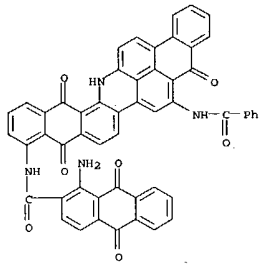


RN 106042-80-2 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6-benzamido-1-chloro- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

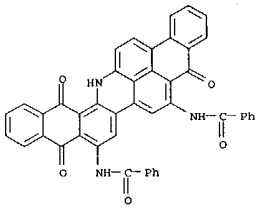


RN 106546-23-0 CAPLUS
CN 2-Anthramide, 1-amino-N-(6-benzamido-5,10,15,16-tetrahydro-5,10,15-trioxoanthra[2,1,9-mna]naphth[2,3-h]acridin-11-yl)-9,10-dihydro-9,10-dioxo-(7CI) (CA INDEX NAME)

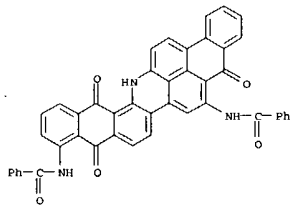


RN 106570-26-7 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,9-dibenzamido- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

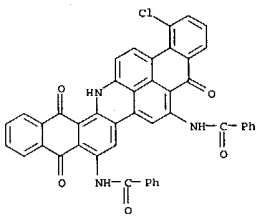


RN 106570-27-8 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,11-dibenzamido- (7CI) (CA INDEX NAME)

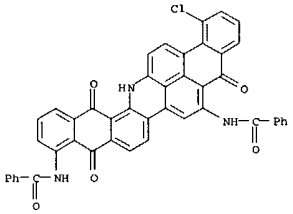


RN 106570-53-0 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,9-dibenzamido-1-chloro- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 106570-54-1 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,11-dibenzamido-1-chloro- (7CI) (CA INDEX NAME)



9/29/04

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     39.84     195.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     -5.60      -5.60

FILE 'USPATFULL' ENTERED AT 15:32:44 ON 29 SEP 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 15:32:44 ON 29 SEP 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

     (FILE 'HOME' ENTERED AT 15:29:56 ON 29 SEP 2004)

     FILE 'REGISTRY' ENTERED AT 15:30:04 ON 29 SEP 2004
L1               STRUCTURE UPLOADED
L2             0 S L1
L3            29 S L1 FUL

     FILE 'CAPLUS' ENTERED AT 15:30:31 ON 29 SEP 2004
L4             8 S L3

     FILE 'USPATFULL, USPAT2' ENTERED AT 15:32:44 ON 29 SEP 2004

=> s l3
L5             2 L3

=> d abs bib fhitstr 1-2
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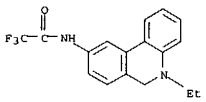
L5 ANSWER 1 OF 2 USPATFULL on STN
AB The present invention provides NPY-5 receptor antagonists having a Formula (I) ##STR1##

Methods and pharmaceutical compositions useful for treating diseases, conditions and/or disorders modulated by the above NPY-5 receptor antagonists are also provided.

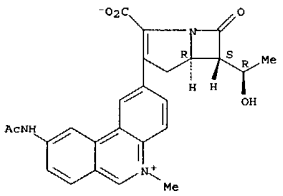
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2004:159234 USPATFULL
TI NPY-5 antagonists
IN Hammond, Marlys, Blue Bell, PA, UNITED STATES
PA Pfizer Inc (U.S. corporation)
PI US 2004122038 A1 20040624
AI US 2003-725181 A1 20031201 (10)
PRAI US 2002-434374P 20021218 (60)
DT Utility
FS APPLICATION
LREP PFIZER INC., PATENT DEPARTMENT, MS8260-1611, EASTERN POINT ROAD, GROTON,
CT, 06340
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2041
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **596821-91-9P**
(preparation of 9-aminophenanthridin-6-ones as NPY-5 antagonists)
RN 596821-91-9 USPATFULL
CN Acetamide, N-(5-ethyl-5,6-dihydro-9-phenanthridinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 2 USPATFULL on STN
AB The present invention relates to antibacterial agents of the carbapenem class, in which the 2-position sidechain is characterized by a phenanthridine moiety typically having a substituent attached to the nitrogen of the phenanthridine and substituted at other positions by various neutral substituents. When there is substitution on the nitrogen
of the phenathridine moiety that nitrogen is a charged quaternary nitrogen.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 94:68762 USPATFULL
TI 2-phenanthridinyl carbaphenem antibacterial agent
IN Dininno, Frank P., Old Bridge, NJ, United States
Greenlee, Mark L., Rahway, NJ, United States
Rano, Thomas A., Somerville, NJ, United States
Lee, Wendy, Chicago, IL, United States
PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
PI US 5336674 19940809
AI US 1993-9626 19930127 (8)
DCD 20110712
DT Utility
FS Granted
EXNAM Primary Examiner: Cintins, Marianne M.; Assistant Examiner: Cook, Rebecca
LREP Muthard, David A., Daniel, Mark D., DiPrima, Joseph F.
CLMN Number of Claims: 19
ECL Exemplary Claim: 1,18
DRWN No Drawings
LN.CNT 2230
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **161546-86-7P**
(preparation of phenanthridinylcarbapenems as antibacterial agents)
RN 161546-86-7 USPATFULL
CN Phenanthridinium, 9-(acetylamino)-2-[2-carboxy-6-(1-hydroxyethyl)-7-oxo-1-azabicyclo[3.2.0]hept-2-en-3-yl]-5-methyl-, inner salt, [5R-[5α,6α(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 2 OF 2 USPATFULL on STN (Continued)

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.54	210.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.60

STN INTERNATIONAL LOGOFF AT 15:33:44 ON 29 SEP 2004